



QUALITATIVE CHEMICAL ANALYSIS ACTIVITY

You work for an environmental company as an environmental toxicologist and have been hired to determine the contaminant present in a local resident's pool. Working in a group of 3 or 4 you will create a flow chart outlining how you would detect the possible presence of the following ion(s) – one pair of contaminants/group:

1. Solution known to contain Fe^{2+} and/or Sr^{2+}
2. Solution known to contain Cl^- and/or SO_4^{2-}
3. Solution known to contain Ba^{2+} and/or Ag^+
4. Solution known to contain Ag^+ and/or Cu^+
5. Solution known to contain Ba^{2+} and/or Cu^+
6. Solution known to contain SO_4^{2-} and/or Cl^-
7. Solution known to contain K^+ and/or Sr^{2+}

You will complete your flow chart using the software you are comfortable with (Microsoft Office Suite is a good option) and you will post your final flow chart on the class website.